

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A bone resection device for use in resection of bone during joint replacement surgery, the device comprising:

~~a. — a cutting tool housing;~~

~~b. — at least one cutting tool which is fastened to the housing so that it can be moved reversibly between a retracted position and an extended position, in which it extends further from the housing in the extended position than in the retracted position;~~

~~c. —~~

a handle;

an elongate shaft rotatably mounted to the handle, the shaft having a shaft axis, a proximal end and a distal end; to which the cutting tool housing is attached at or towards one end

a cutting tool housing attached to the shaft at or towards the distal end of the shaft;

at least one cutting tool fastened to the housing, the at least one cutting tool configured to be movable between a retracted position and an extended position; and

~~, the shaft having a control region at its other end from which the resection device is controlled while the cutting tool housing is located in the vicinity of bone tissue which is to be resected;~~

d. — a pivot control member having a proximal end and a distal end, the pivot control member configured to be at least partially disposed about the elongate shaft, device for controlling the position of the cutting tool relative to the housing, the device the pivot control member being attached at or toward the distal end of the pivot control member to the at least one cutting tool, the distal end of the pivot control member and the distal end of the shaft being configured to be axially displaceable extending along the shaft and being movable relative to with respect to one another a predetermined distance, during operation of the device. the shaft along the axis. the device engaging the cutting tool by means of a cam arrangement in which one of the control device and the cutting tool has

~~an elongate cam track formed in it and the other has a reciprocating follower which can slide in the track, the track being non-parallel to the axis of the shaft, so that movement of the control device along the shaft causes relative movement of the follower along the cam track, to cause the position of the cutting tool relative to the housing to change.~~

2. (Currently Amended) ~~A device as claimed in~~The device of claim 1, wherein the at least one cutting tool comprises at least two cutting tools, each of which is at least partially disposed within the cutting tool housing when the at least two cutting tools are in their respective retracted positions. ~~in which there are at least two cutting tools in the housing.~~

3. (Currently Amended) ~~A device as claimed in claim~~The device of claim 2, in ~~which~~wherein each of the said at least two cutting tools is pivotally fastened to the cutting tool housing~~pivotally so that it can be moved pivotally between retracted and extended positions.~~

4. (Currently Amended) ~~A device as claimed in claim~~The device of claim 2, in ~~which~~wherein the at least two cutting tools are configured to be fastened to the cutting tool housing in an opposed manner such that when one of the cutting tools is caused to move in one direction the other cutting tool is caused to move to about the same degree in the opposite direction.

5. (Currently Amended) ~~A device as claimed in claim~~The device of claim 1, wherein the distal end of the pivot control member is configured to be axially displaceable with respect to the distal end of the shaft a predetermined distance, during operation of the device. ~~which includes a handle with a bore extending through it in which the shaft is mounted for rotation.~~

6. (Currently Amended) The device of claim 5, further comprising a cam follower, A device as claimed in claim~~The device of claim 5, in which the movement of the control device and wherein one of the pivot control member and the shaft comprises~~relative to the shaft is controlled by means of a cam surface configured to accept the cam follower, the cam surface extending in a plane generally perpendicular to the shaft axis, defined by the shaft and a cam

~~follower, in which~~ and wherein one of the cam surface and the cam follower is fixed relative to the handle, and the other ~~of the cam surface and the cam follower~~ is fixed relative to the pivot control member. ~~control device, relative rotational movement between the control device and the handle causing the follower to move over the cam surface, and causing relative axial movement between the control device and the shaft.~~

7. (Currently Amended) ~~A device as claimed in claim~~ The device of claim 6, in ~~which~~ wherein the cam surface is provided on the ~~control device~~ proximal end of the pivot control member and the cam follower is fixed relative to the ~~handle~~ shaft.

8. (Currently Amended) ~~A device as claimed in claim~~ The device of claim 6, in ~~which~~ wherein the cam surface is provided on a removable part of the device.

9. (Currently Amended) ~~A device as claimed in claim~~ The device of claim 5, further comprising ~~which includes~~ a locking mechanism configured to lock ~~for locking~~ the axial position of the shaft relative to the handle.

10. (Currently Amended) ~~A device as claimed in claim~~ The device of claim 9, in ~~which~~ wherein the locking mechanism is configured to be adjustable ~~can be adjusted~~ to provide different locked axial positions of the shaft relative to the handle.

11. (Currently Amended) ~~A device as claimed in claim~~ The device of claim 9, in which the ~~shaft includes a threaded portion, and in which~~ wherein the locking mechanism comprises a locking ring configured to ~~which can fit on to the threaded~~ a portion of the shaft.

12. (Currently Amended) ~~A device as claimed in claim~~ The device of claim 11, in ~~which~~ wherein the locking mechanism comprises a removable spacer ring configured to fit ~~which can be fitted~~ between the locking ring and the handle ~~to determine the axial position of the shaft relative to the handle.~~

13. (Currently Amended) ~~A device as claimed in claim 1, in which~~The device of claim 1, wherein the shaft ~~comprises~~includes a connector formation ~~configured to by which it can~~ be connected to a drive unit for imparting rotational movement to the shaft.

14. (Currently Amended) ~~The device of claim 18, A device as claimed in claim 1, in which~~The device of claim 18, wherein the cutting tool is generally elongate in shape, ~~and has with~~and has a cutting edge towards one end and ~~one of the elongate cam track or follower reciprocating follower for engaging the control device at its opposite~~one of the elongate cam track or follower at its other end.

15. (Currently Amended) ~~A device as claimed in claim 1, wherein the pivot control member is rotatable about the shaft axis, which includes a protruding boss which is aligned with the shaft and provided on the end which is remove from the shaft.~~The device of claim 1, wherein the pivot control member is rotatable about the shaft axis, which includes a protruding boss which is aligned with the shaft and provided on the end which is remove from the shaft.

16. (New) The device of claim 15, wherein the pivot control member is connected to the shaft.

17. (New) The device of claim 16, wherein the pivot control member is connected to the shaft at or towards the distal end of the shaft.

18. (New) The device of claim 1, wherein one of the pivot control member and the at least one cutting tool has an elongate cam track formed therein and the other of the pivot control member and the at least one cutting tool comprises a follower configured to slide in the cam track.

19. (New) The device of claim 18, wherein the cam track is non-parallel to the shaft axis.

20. (New) The device of claim 1, wherein the at least one cutting tool has an elongate cam track formed therein and the pivot control member comprises a follower configured to slide in the cam track.

21. (New) The device of claim 20, wherein the cutting tool housing has a slot and the follower is configured to extend through the slot and engage with the cam track of the at least one cutting tool.
22. (New) The device of claim 21, further comprising a cam follower, and wherein the pivot control member is configured to move relative to the shaft, and one of the pivot control member and the shaft comprises a cam surface configured to accept the cam follower, the cam surface extending in a plane generally perpendicular to the shaft axis, and wherein one of the cam surface and the cam follower is fixed relative to the handle, and the other of the cam surface and the cam follower is fixed relative to the pivot control member.
23. (New) The device of claim 1, wherein the predetermined distance is defined by a cam surface located on the proximal end of the pivot control member.
24. (New) A bone resection device for use in resection of bone during joint replacement surgery, the device comprising:
- a handle;
 - an elongate shaft rotatably mounted to the handle, the shaft having a shaft axis, a proximal end and a distal end;
 - a cutting tool housing attached to the shaft at or towards the distal end of the shaft, the cutting tool housing having a slot;
 - at least one cutting tool fastened to the housing, the at least one cutting tool configured to be movable between a retracted position and an extended position, the at least one cutting tool having an elongate cam track formed therein; and
 - a pivot control member having a proximal end and a distal end, the pivot control member comprising a follower extending generally perpendicular from the distal end thereof and configured to extend through the slot and engage with the cam track of the at least one cutting tool, the pivot control member configured to be at least partially disposed about the elongate shaft, the pivot control member being attached at or toward the distal end of the pivot control member to the at least one cutting tool.

Docket No. DEP0721USPCT
Serial No. 10/564717

25. (New) The device of claim 24, wherein the distal end of the pivot control member and the distal end of the shaft being configured to be axially displaceable with respect to one another a predetermined distance, during operation of the device